References:

- Arya, M., Shergill, I. S., Williamson, M., Gommersall, L., Arya, N., & Patel, H. R. (2005). **Basic principles of real-time quantitative PCR.** ***Expert review of molecular diagnostics****, 5*(2), 209-219

- Ashford L, Collymore Y, Boyd A R, Herdman C, Sherris J. (2004) : **Preventing cervical cancer worldwide, a joint report, with an accompanying policy brief produced by the Population Reference Bureau (PRB) and Alliance for Cervical Cancer Prevention (ACCP).** Population Reference Bureau, Washington DC, USA

- Bandyopadhyay S and Bhattacharyya M. (2010) : **PuTmir : A database for extracting neighbouring transcription factors of human microRNAs.** BMX Bioinformatics; 11:190.

- Basso, K., Margolin, A. A., Stolovitzky, G., Klein, U., Dalla-Favera, R. & Califano, A. (2005) *Nat Genet* **37,** 382-90.

- Broomberg J F, Horvath C M, Besser D, Lathem W W, Darnell J E. (1998) : **STAT3 activation is required for cellular transformation by v-src.** Mol Cell Biol; 18(5), 2553-2558

- Bolpetti A, Silva J S, Villa L L and Lepique A P. (2010) : **Interleukin – 10 production by tumor infiltrating macrophages plays a role in Human Papillomavirus 16 tumor growth.** BMC Immunology; 11:27.

- Calin G A, Sevignani C, Dumitru C D. (2004), **Human microRNA genes are frequently located at fragile sites and genomic regions involved in cancers.** Proc Natl Acad Sci USA; 101: 2999-3004.

- Eisen M B, Spellman P T, Brown P O, Botstein D. (1998) : **Cluster analysis and display of genomc-wide expression pattersn.** Proc Natl Acad Sci USA; 95(25)l 14863-14868.

- Foster C S, Falconer A, Dodson A R, Norman A R, Dennis N, Fletcher A, Southgate C, Dowe A, Dearnaley D, Jhavar S, Eeles R, Feber A, Cooper C S. (2004) : **Trascription factor E2F3 overexpressed in prostate cancer independently predicts clinical outcome.** Oncogene; 23(35): 5871-9.

- Gao P, Zheng J. (2010) : **High-risk HPV E5-induced cell fusion : A critical initiating event in the early stage of HPV-associated cervical cancer.** Virology Journal; 7 : 238

- Gokul G, Gautami B, Malathi S, Sowjanya A P, Poli U R, Jain M, Ramakrishna G, and Khosla Sanjeev (2007) : **DNA methylation profile at the DNMT3L promoter.** Epigenetics; 2(2): 80-85.

- Heselmeyer K, Schrock E, Dumanoir S et al (1996) : Gain of chromosome 3q defines the transition from severe dysplasia to invasive carcinoma of the uterine cervix. Proc Natl Acad Sci U S A; 93:479–84.

- Hur W, Rhim H, Jung C K, Kim J D, Bae S H, Jang J W, Yang J M, Oh S T, Kim D G, Wang H J, Lee S B, Yoon S K (2010) : **SOX4 overexpression regulates the p53-**

mediated apoptosiss in hepatocellular carcinoma: clinical implication and functional analysis invitro. Carcinogenesis; 31(7): 1298-307.

- IARC Scientific Publication No. 143, 1997

- Jazaeri, A. A., Yee, C. J., Sotiriou, C., Brantley, K. R., Boyd, J., & Liu, E. T. (2002). **Gene expression profiles of BRCA1-linked, BRCA2-linked, and sporadic ovarian cancers.** Journal of the National Cancer Institute, 94(13), 990-1000.

- Martin, C. M., Astbury, K., & O'Leary, J. J. (2006). **Molecular profiling of cervical neoplasia. Expert review of molecular diagnostics**, 6(2), 217-229.

- Margolin, A. A., Wang, K., Lim, W. K., Kustagi, M., Nemenman, I., & Califano, A. (2006). **Reverse engineering cellular networks.** Nature Protocols, 1(2), 662-671.

- Lace M J, Isacson C, Anson J R, Lorincz A T, Wilczynski S P, Haugen T H and Turek L P (2009): **Upstream regulatory region alterations found in human Papillomavirus type 16 (HPV-16) isolates from cervical carcinomas increase transcription, ori functions and HPV immortalization capacity in culture.** J Virology; 83; 7457-7466.

- Lando M, Holden M, Bergersen L C, Svendsrud D H, Stokke T, Sundfor K, Glad I K, Kristensen G B, Lyng H (2009) : **Gene dosage, expression, and ontology analysis identifies driver genes in the carcinogenesis and chemoradioresistance of cervical cancer.** Plos Genet ; 5(11); e1000719.

- Lim W K, Lyashenko E, Califano A (2009) : **Master regulators used as breast cancer metastasis classifier.** Pacific symposium on Biocomputing; 14: 504-515.

- Lomnytska M I, Becker S, Bodin I. Olsson A, Hellman K, Hellstrom A C, Mints M, Hellman U, Auer G, Andersson S (2011) : **Differential expression of ANXA6, HSP27, PRDX2, NCF2, and TPM4 during uttering cervix carcinogenesis : diagnostic and prognostic value.** Br J Cancer; 104(1) : 110-9

- Lowy D R, Solomon D R, Soloman D, Hildesheim A, Schiller J T, Schiffman M (2008) : **Human Papillomavirus infection and the primary and secondary prevention of cervical cancer.** Cancer Res; 113(7); 1980-1993.

- Manual: Relative Quantification: Applied Biosystems 7300/7500/7500 Fast Real-Time PCR System: Getting Started Guide: Version**: 28 Jul 2010**

- Martin C M, Kehoe L, Spillane C O, O Leary J J (2007) : **Gene discovery in cervical cancer : towards diagnostic and therapeutic biomarkers.** Mol Diagn Ther : 11(5): 277-290.

- Margolin A A, Nemenman I, Basso K, Wiggins Chris, Stolovitzky G, Favera R D and Califano A (2006) : **ARACNE : An algorithm for the reconstruction of gene regulatory networks in a mammalian cellular context.** BCM Bioinformatics, 7(1): S7.

- Negrini M, Nicoloso M S and Calin G A (2009) : **MicorRNAs and cancer – new paradigms in molecular oncology.** Current Opinion in Cell Biol; 21, 470-479.

- O¨sto¨r AG. (1993) : Natural history of cervical intraepithelial neoplasia—a critical review. Int J Gynecol Pathol; 12:186–92.

- Rajkumar T, Sabitha K, Vijayalakshmi N, Shirley S, Bose M V, Gopal G, Selvaluxmy G (2011) : **Identification and validation of genes involved in cervical tumourigenesis.** BMC Cancer, 11:80.

- Rosenberger S, Arcea J D C, Langbeinb L, Steenbergene R D M and Rosl F (2010): **Alternative splicing of human : Papillomavirus type -16 E6/E6* early mRNA is coupled to EGF signaling via Erk1/2 activation.** PNAS; 107(15): 7006-7011.

- Satyaprakash, A. K., & Tyring, S. K. (2010). Human papillomaviruses vaccine: a dermatologic perspective**. Indian Journal of Dermatology, Venereology, and Leprology**, 76(1), 14.

- Schiffman M, Castle P E, Jeronimo J, Rodriguez A C, Wacholder S (2007) : **Human Papillomavirus and cervical cancer.** Lancer : 370(9590): 890-907

- Shang Z J, Liu K, Liang de F (2009) : **Expression of beta 2-adrenergic receptor in oral squamous cell carcinoma.** J Oral Pathol Med : 38(4): 371-6.

- Sharma P, Kumar S, Kundu G C (2010) : **Transcriptional regulation of human osteopontin promoter by histone deacetylases inhibitor, Trichostatin A in cervical cancer cells.** Mol Cancer ; 9:178.

- Shukla S, Shishodia G, Mahata S, Hedau S, Pandey A, Bhambhani S, Batra S, Basir S F, Das B C, Bharti A C (2010) : **Aberrant expression and constitutive activation of STAT3 in cervical carcinogenesis : implications in high-risk human Papillomavirus infection.** Mol Cancer ; 9 : 282

- Simon, R., and A. Lam. (2004) :"**BRB-ArrayTools User Guide, version 3.2." Biometric Research Branch, National Cancer Institute** 20

- Simon, R. and Lam, A. 2006. **BRB Array Tools Users Guide. Technical Reports. Biometric Research Branch, National Cancer Institute. http://linus.nci.nih.gov/brb/TechReport**

- Simon R, Lam A, Li M C, Ngan M, Menenzes S and Zhao Yingdong (2007) : **Analysis of gene expression data using BRB-Array Tools.** Cancer informatics; 3 : 11-17.

- Smith J A, White E A, Sowa M E, Powell M L C, Ottinger M, Harper J W and Howley P M (2010) : **Geome-wide siRNA screen identifies SMCX, EP400, and Brd4 as E2-dependent regulators of human Papillomavirus oncogenes expression.** PNAS; 107(8): 3752-3757.

- Trimble CL, Piantadosi S, Gravitt P, et al. (2005): Spontaneous regression of high-grade cervical dysplasia; effects of human papillomavirus type and HLA phenotype. Clin Cancer Res; 11:4717–23

- Wei D, Kanai M, Huang S, Xie K (2006) : **Emerging role of KLF4 in human gastrointestinal cancer.** Carcinogenesis ; 27(1): 23-31.

- Wilting S m, Boerdonk R A, Henken F E, Meijer C J L M, Diosdado B, Meijer G A, Sage C L, Agami R, Snijders P J F and Steenbergen R D M (2010) : **Methylation mediated silencing and tumor suppressive function of has-miR-124 in cervical cancer.** Molecular Cancer, 9: 167.

- Walboomers JM, Jacobs MV, Manos MM, et al (1999) : **Human papillomavirus is a necessary cause of invasive cervical cancer worldwide**. J Pathol; 189:12–9

- Wong, M. L., & Medrano, J. F. (2005). Real-time PCR for mRNA quantitation.*Biotechniques*, *39*(1), 75.

- Wright TC, Jr., Kurman RJ, Ferenczy A, Kurman RJ (2002) : **Precancerous lesions of the cervix. Blaustein's pathology of the female genital tract.** 5th ed. New York: Springer-Verlag; p. 253–324.

- Zhai Y, Kuick R, Nan B, Ota Ichiro, Wesis S J, Trimble C L, Fearon E R and Cho K R (2007) : **Gene expression analysis of preinvasive and invasive cervical squamous cell carcinomas identifies HOXC10 as a key mediator of invasion.** Cancer Res; 67: 10163-10172

- Zhou Y, Li M, Wei Y, Feng D, Peng C, Weng H, Ma Y, Bao L, Nallar S, Kalakonda S, Xiao W, Dhananjaya V, Kalvakolanu and Ling Bin (2009) : **Down-regualtion of GRIM-19 expression is associated with hyperactivation of STAT3 induced gene expression and tumor growth in human cervical cancer.** J Interferon & Cytokine Res, 29:10.